

Form 9180-6
(April 1965)
(formerly 4-679)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF A

DEPENDENT RESURVEY OF

A PORTION OF THE SUBDIVISIONAL LINES,

TOWNSHIP 5 NORTH, RANGE 28 EAST,

[Lined area for field notes]

Of the WILLAMETTE Meridian,

In the State of OREGON.

EXECUTED BY

Frank A. Tuers, Cadastral Surveyor

Under special instructions dated April 11, 19 75, which provided for the surveys
included under Group Number 864, approved April 11, 1975,
and assignment instructions dated April 14, 19 75.

Survey commenced April 14, 19 75

Survey completed September 12, 19 75

INDEX DIAGRAM

Township 5 North, Range 28 East,

6	5	4	3	2	1
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31	32	33	34	35	36

T. 5 N., R. 28 E., Willamette Meridian, Oregon

CHAINS

The following field notes are those of a dependent resurvey of a portion of the subdivisional lines of T. 5 N., R. 28 E., Willamette Meridian, Oregon.

The history of prior surveys in T. 5 N., R. 28 E., which pertain to this resurvey is:

The east and west boundaries and subdivisional lines south of the Columbia River and the meanders of the left bank of the Columbia River were surveyed by Timothy W. Davenport in 1861, as shown on the township plat approved December 7, 1861.

In 1917, E. T. Eriksen, U. S. Reclamation Service, subdivided section 28, as shown on the supplemental plat of section 28 accepted February 15, 1917. This plat was "superseded" by a supplemental plat dated May 24, 1918.

In 1943, Norman D. Price dependently resurveyed a portion of the subdivisional lines and surveyed an island and related accretion in sections 8 and 9, as shown on the plat of survey accepted July 31, 1943.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions for Group No. 864, Oregon, dated April 11, 1975.

The directions of all lines were determined by the solar transit and refer to the true meridian. The lines were carried by transit method and bearings confirmed by succeeding a.m. and p.m. altitude observations on the sun. Certain random lines were measured with a Cubitape Model DM-60, electronic measuring instrument. All lines not forming a closure were chained twice.

In initiating the resurvey, retracements of the previous surveys were performed and a diligent search made to identify evidence of all previously established corner monuments. Identified corners are remonumented in accordance with the best available evidence; lost corners are reestablished by the rules of proportionate measurement. The retracement data were thoroughly verified and only the true line field notes are given herein.

The geographic position of the corner of sections 20, 21, 28, and 29, as scaled from the U.S. Geological Survey's "UMATILLA QUADRANGLE", topographic map, 1962, photorevised, 1970, 7.5 minute series, is as follows:

Latitude: 45° 53.6' N. Longitude: 119° 19.6' W.

The mean magnetic declination is 20° 45' E.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 5 N., R. 28 E., Willamette Meridian, Oregon

(Restoring the survey executed by Timothy W. Davenport
in 1861)

Beginning at the point for the cor. of secs. 16, 17, 20,
and 21, at proportionate distance; there is no remaining
evidence of the original cor. or witness cor.

Dependent Resurvey, Portion, Subdivisional Lines,
T. 5 N., R. 28 E., Willamette Mer., Oregon

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Set a brass tablet, $3\frac{1}{4}$ ins. diam., $3\frac{1}{2}$ in. stem, in drill hole in solid rock, with brass cap mkd.

T 5 N	R 28 E
S 17	S 16
S 20	S 21
1975	

from which

A willow, 17 ins. diam., bears N. $40\frac{1}{2}^\circ$ E., 96 lks. dist., mkd. X BT at base. Tree is leaning SW.

A willow, 13 ins. diam., bears S. $55\frac{1}{2}^\circ$ E., 123 lks. dist., mkd. T5N R28E S21 BT.

A basalt outcrop, 20 x 18 x 10 ft., bears S. 4° E., 183 lks. dist., mkd. X B0.

An iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., set 21 ins. in the ground, for a reference monument, bears N. $79^\circ 30'$ W., 3.208 chs. dist., with brass cap mkd. T5N R28E RM S17 211.73 FT. TO COR. 1975 and an arrow pointing to the cor. Set a steel fence post, $5\frac{1}{2}$ ft. long, 2 ft. in the ground, alongside the iron post.

This cor. is located in the bed of the Umatilla River, 60 lks. W. of the right bank.

From this point, the $\frac{1}{4}$ sec. cor. of secs. 16 and 17, monumented with an iron pipe, $1\frac{1}{4}$ ins. diam., firmly set, 3 ins. below the surface of a gravel driveway, with an unmarked brass disk, alongside of which is a steel plate, $2\frac{1}{2} \times \frac{1}{4}$ ins., firmly set, flush with the driveway surface, bears N. $0^\circ 15'$ E., 39.85 chs. dist. This position is harmoniously related with other cors. in the area, has long been recognized as the cor. by adjacent landowners and private surveyors, and is accepted as the best available evidence of the original $\frac{1}{4}$ sec. cor. position, from which

An iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., set 21 ins. in the ground, for a reference monument, bears N. $83^\circ 50'$ E., 63.5 lks. dist., with brass cap mkd. T5N R28E RM S16 41.9 FT. TO COR. 1975 and an arrow pointing to the cor.

A power pole, 8 ins. diam., bears N. 68° E., $44\frac{1}{2}$ lks. dist., with meter box on N. side.

A power pole, 8 ins. diam., bears N. $40\frac{1}{2}^\circ$ W., 54 lks. dist., with the letters 1 A on S. side.

Add the marks $\frac{1}{4}$ COR BLM 1975 to brass disk.

From this same point, the $\frac{1}{4}$ sec. cor. of secs. 16 and 21, bears N. $89^\circ 28'$ E., 40.18 chs. dist., monumented with an iron post, 3 ins. diam., firmly set, 2 ins. below ground, with a brass cap mkd. BONNEVILLE POWER ADMINISTRATION R. P. Z. N. +, and an iron rebar, $\frac{3}{8}$ in. diam., alongside. This position is harmoniously related with other cors. in the area, has long been recognized as the cor. by adjacent landowners and private surveyors, and is accepted as the best available evidence of the original $\frac{1}{4}$ sec. cor. position.

At the corner point

Dependent Resurvey, Portion, Subdivisional Lines,
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Set an iron post, 28 ins. long, 2½ ins. diam.,
21 ins. in the ground, with brass cap mkd.

T 5 N	R 28 E
¼	S 16
	S 21
	1975

from which

A corner post of fences extending N., E. and
W., bears E., 76 lks. dist.

Deposit iron rebar, iron post, and set a steel fence
post, 5½ ft. long, 2 ft. in the ground, alongside
the iron post.

This cor. is located in a barbed wire fence, 4 strand,
extending E. and W.

From this same point, the cor. of secs. 20, 21, 28, and
29, monumented with an iron pipe, 2 ins. diam., firmly
set, protruding 4 ins. above ground, bears S. 0° 21' E.,
79.71 chs. dist. This monument is favorably related to
other cors. in the area, is locally recognized and is
accepted as the best available evidence of the original
cor. position.

At the corner point

Set an iron post, 28 ins. long, 2½ ins. diam.,
21 ins. in the ground, with brass cap mkd.

T 5 N	R 28 E
S 20	S 21
S 29	S 28
	1975

Deposit iron pipe inside the iron post.

This control line was fully retraced and careful search
made for evidence of intervening cors., none of which
were recovered.

S. 89° 48' W., bet. secs. 17 and 20.

Over level river bottom.

- 2.90 Umatilla River, 50 lks. wide, course N. 10° W.; asc. over
NE. slope through scattering sagebrush.
- 39.60 Gravel road, 25 lks. wide, bears N. and S., curving W.
- 39.93 Point for the ¼ sec. cor. of secs. 17 and 20, at propor-
tionate distance; there is no remaining evidence of the
original cor.

Set an iron post, 28 ins. long, 2½ ins. diam., 21 ins.
in the ground, with brass cap mkd.

T 5 N	R 28 E
¼	S 17
	S 20
	1975

from which

A power pole, 17 ins. diam., bears S. 53° W.,
30½ lks. dist., with aluminum tag mkd. JH Baxter
DEPH 9 74 1-65 The Dalles, Ore.

Dependent Resurvey, Portion, Subdivisional Lines,
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	<p>A power pole, 10 ins. diam., bears N. $42\frac{1}{2}^\circ$ W., 20 lks. dist., with aluminum tag mkd. JH Baxter DEP 45 3 S 5-35 Eugene, Ore. with meter on W. side.</p> <p>Set a steel fence post, $5\frac{1}{2}$ ft. long, 2 ft. in the ground, alongside the iron post.</p> <p>From this point, a point established by David H. Krumbein, Registered Land Surveyor, in 1975, monumented with an iron rebar, $\frac{3}{8}$ in. diam., firmly set, flush with ground, bears N., 3.2 lks. dist.</p> <p>Asc. over NE. slope.</p>								
40.10	Barbed wire fence, 4 strand, bears N. and S.								
41.70	Same road, bears S. 45° E. and N. 45° W.								
42.20	West Extension Irrigation Canal, 50 lks. wide, drains N. 45° W.								
59.60	Asphalt road, 40 lks. wide, bears N. and S.								
79.86	<p>The cor. of secs. 17, 18, 19, and 20, monumented with a concrete post, 6 x 6 ins., firmly set, 6 ins. below ground, with nail in center. This position is harmoniously related with other cors. in the area, has long been recognized as the cor. by adjacent landowners and private surveyors, and is accepted as the best available evidence of the original cor. position.</p> <p>At the corner point</p> <p>Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table border="0"> <tr> <td>T 5 N</td> <td>R 28 E</td> </tr> <tr> <td>S 18</td> <td>S 17</td> </tr> <tr> <td>S 19</td> <td>S 20</td> </tr> <tr> <td colspan="2">1975</td> </tr> </table> </div> <p>Deposit concrete post and set a steel fence post, $5\frac{1}{2}$ ft. long, 2 ft. in the ground, alongside the iron post.</p>	T 5 N	R 28 E	S 18	S 17	S 19	S 20	1975	
T 5 N	R 28 E								
S 18	S 17								
S 19	S 20								
1975									
	<p>N. $89^\circ 55'$ W., bet. secs. 18 and 19.</p> <p>Asc. over nearly level land through scattering sagebrush.</p>								
1.20	Asphalt road, 40 lks. wide, bears N. 45° E. and S. 45° W. curving W.								
4.60	Top of ascent, slopes N. 30° W.; desc. over W. slope.								
13.90	Bottom of descent, slopes N. 10° W.; asc. over NE. slope.								
40.25	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 18 and 19, at proportionate distance; there is no remaining evidence of the original corner.</p> <p>Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table border="0"> <tr> <td>T 5 N</td> <td>R 28 E</td> </tr> <tr> <td>$\frac{1}{4}$ S 18</td> <td></td> </tr> <tr> <td>S 19</td> <td></td> </tr> <tr> <td colspan="2">1975</td> </tr> </table> </div>	T 5 N	R 28 E	$\frac{1}{4}$ S 18		S 19		1975	
T 5 N	R 28 E								
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Dependent Resurvey, Portion, Subdivisional Lines,
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Set a steel fence post, 5½ ft. long, 2 ft. in the ground, alongside the iron post.

This cor. is located in barbed wire fence, 4 strand, extending E. and W.

Asc. over NE. slope.

64.00 Spur, slopes N.; desc. over nearly level NW. slope.

79.64 Barbed wire fence, 4 strand, bears N. and S.

80.39 The cor. of secs. 13, 18, 19, and 24, on the W. bdy. of the Tp., reestablished by Donald L. Staebler, Registered Engineer No. 3402, Oregon, in 1972, by proportionate measurement, monumented with an iron post, 2½ ins. diam., firmly set, protruding 12 ins. above ground, and in a mound of stone, 2½ ft. base, 6 ins. high, with brass cap mkd.

T 5 N	
R 27 E	R 28 E
S 13	S 18
S 24	S 19
1972	

Add the marks BLM 1975 to brass cap.

From this point, a point locally accepted as the S. 1/16 sec. cor. of secs. 13 and 18, established by person(s) unknown, monumented with a concrete post, 6 x 6 ins., firmly set, protruding 1 in. above ground, with an iron pipe, 1¼ ins. diam., in center bears N. 0° 03' E., 19.91 chs. dist.

From this same point, the cor. of secs. 19, 24, 25, and 30 bears S. 0° 03' W., 79.65 chs. dist., reestablished by David H. Krumbein, Registered Engineer No. 7728, Oregon, in 1973, by proportionate measurement, monumented with an iron post, 2 ins. diam., firmly set, 6 ins. below gravel road, with brass cap mkd.

T 5 N	
R 27 E	R 28 E
24	19
25	30
RPE 7728	

From the cor. of secs. 19, 24, 25, and 30, a point established by David H. Krumbein as the witness cor. to the cor. of secs. 19, 24, 25, and 30, monumented with an iron post, 2 ins. diam., firmly set, protruding 4 ins. above ground, bears N. 62° 34' E., 1.47 chs. dist., with brass cap mkd.

WC	
T 5 N	
R 27 E	R 28 E
2	19
2	30
RPE 7728	

GENERAL DESCRIPTION

The land included in this resurvey is situated south of the town of Umatilla, in Umatilla County, Oregon. There are numerous asphalt and gravel roads south of Umatilla. The greater portion of the area is hills. The elevation ranges from about 310 feet above sea level on

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the Umatilla River to about 500 feet above sea level in the west portion. The area is drained by the Umatilla River and the West Extension Irrigation Systems. The soil is composed of sand and sandy loam. The only timber observed was of introduced species which included willow, Russian olive, cottonwood, and locust. The undergrowth is sparse and consists primarily of sagebrush, cacti, various weeds, and grasses.

The principal use of the area is livestock grazing.

No mineral formations of consequence were noted during the course of this survey.

The average of a number of readings throughout the area gives a mean magnetic declination of $20^{\circ} 45'$ E., with no noticeable difference due to local attraction.

Form 9180-8
(March 1969)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Terry E. Northup	Land Surveyor Student Trainee
Trygve L. Raftshol	Surveying Technician
Marc L. Thomas	Survey Aid

OCT 0 4 1977

CERTIFICATE OF SURVEY

(I) (~~W~~), Frank A. Tuers, Cadastral Surveyor, HEREBY

CERTIFY upon honor that, in pursuance of special instructions bearing date of the 11th day of April, 1975, (I) (~~W~~) have dependently resurveyed a portion of the subdivisional lines of Township 5 North, Range 28 East,

of the Willamette Meridian, in the State of Oregon, which are represented in the foregoing field notes as having been executed by (me), (~~W~~) and under (my) (~~own~~) direction; and that said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

9/9/76
(Date)

Frank A. Tuers
(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Washington, D.C.

The foregoing field notes of the dependent resurvey of a portion of the subdivisional lines of Township 5 North, Range 28 East, Willamette Meridian, Oregon,

executed by Frank A. Tuers, Cadastral Surveyor,

having been critically examined and found correct, are hereby approved.

OCT 04 1977
(Date)

[Signature]
Acting (Chief, Division of Cadastral Survey)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in T. 5 N., R. 28 E., Willam. Mer., Oregon, is a true copy of the original field notes.

(Date)

(Chief, Division of Cadastral Survey) GPO 849-626